

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES ADDING SIDE STREET SPLIT PHASING AND LED SIGNALS TO THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 27 AND KATE WAGNER/CHAPEL ROADS IN CARROLL COUNTY. MD 27 IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION.

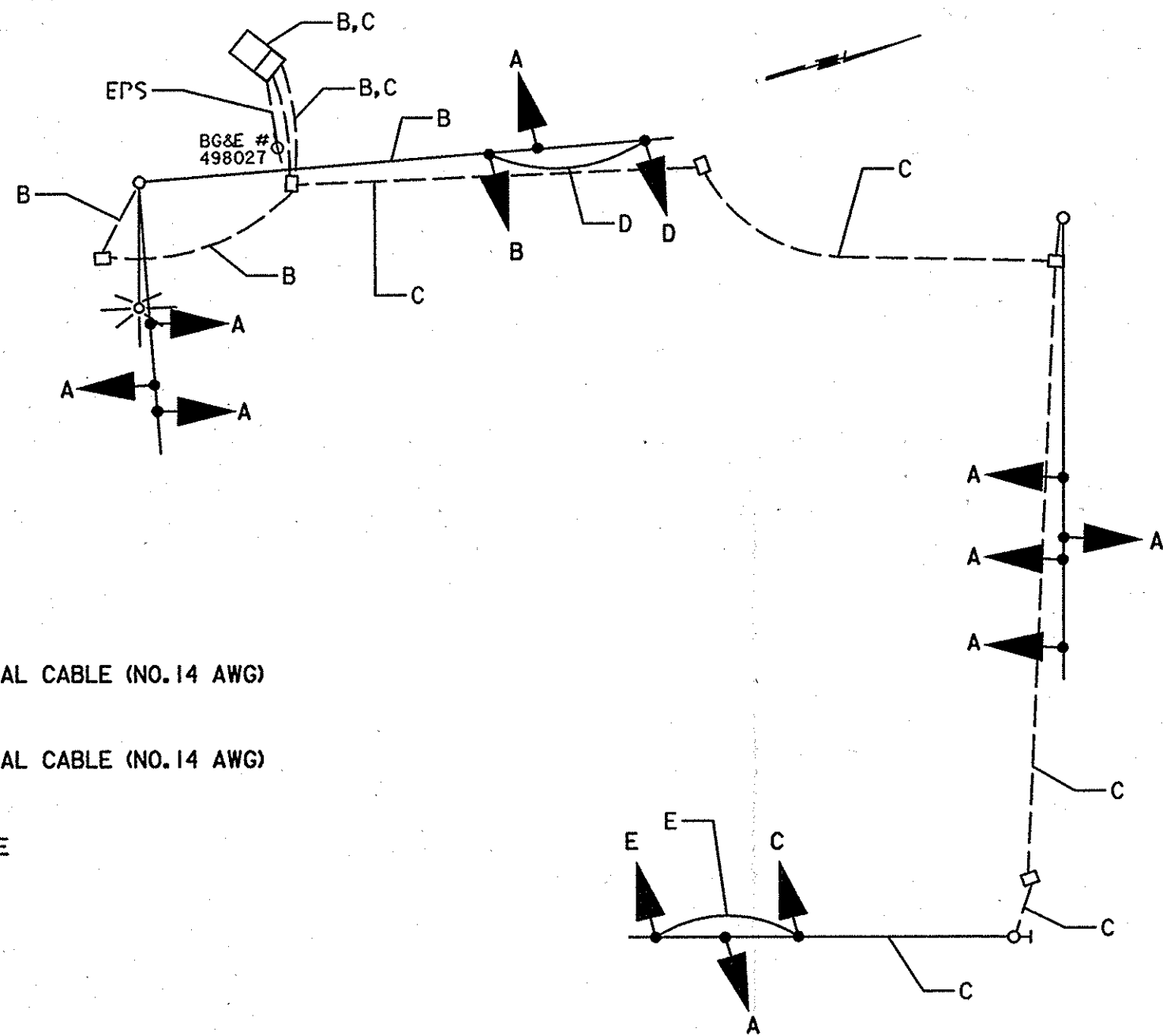
INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE PERMISSIVE PHASING ON THE MAINLINE. SIDE STREET SPLIT PHASING IS PROPOSED.

CONTROLLER REQUIREMENTS

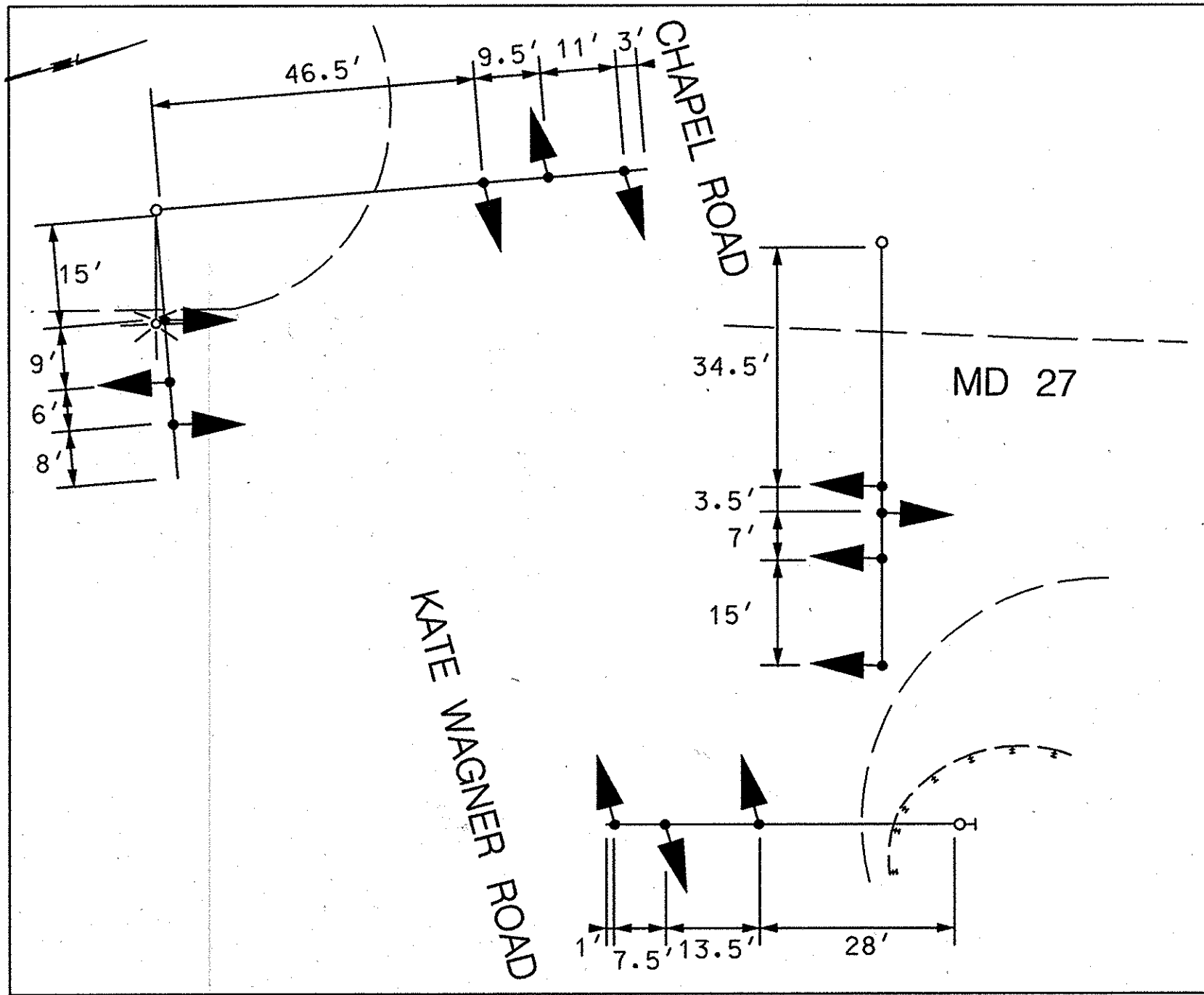
THE EXISTING CONTROLLER AND ASSOCIATED HARNESSES WILL REMAIN.

WIRING DIAGRAM



- A - USE EXISTING WIRING
- B - 7-CONDUCTOR ELECTRICAL CABLE (NO.14 AWG)
- C - 5-CONDUCTOR ELECTRICAL CABLE (NO.14 AWG)
- EPS - EXISTING POWER SOURCE

SIGNAL HEAD SPACING



THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

Mr. John Concannon  
Assistant District Engineer - Traffic  
Phone: 301-624-8140

Ms. Andrea Abend  
District Utility Engineer  
Phone: 301-624-8115

Mr. Ray Johnson  
Assistant District Engineer - Maintenance  
Phone: 301-624-8105

Mr. Edward Rodenhizer  
Chief, SHA Traffic Signal Shop  
Phone: 410-787-7650

Mr. Richard L. Daff Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-7630

The Power Company Representative is:  
Baltimore Gas & Electric  
7317 Parkway Drive South  
Hanover, MD 21076  
Phone: 410-859-9334

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8001	39 EA	12 INCH LED SIGNAL HEAD SECTION
8004	12 EA	8 INCH LED SIGNAL HEAD SECTION
8022	1 EA	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT PER ASSIGNMENT
8056	50 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)
8057	450 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO.14 AWG)

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO.	QUANTITY	DESCRIPTION
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NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	
PHASE 1 & 5	R	R	R	R	R	R	R	R	R	R	R	R	R	
PHASE 1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASE 1 & 6, 2 & 5, OR 2 & 6													
PHASE 1 & 6	G	G	G	G	R	R	R	R	R	R	R	R	R	
PHASE 1 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	R	R	R	
PHASE 2 & 5	R	R	R	R	G	G	G	R	R	R	R	R	R	
PHASE 5 CHANGE	R	R	R	R	Y	Y	Y	G	R	R	R	R	R	
PHASE 2 & 6	G	G	G	G	G	G	G	R	R	R	R	R	R	
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	
PHASE 3	R	R	R	R	R	R	R	R	R	G	G	G	G	
PHASE 3 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	Y	
PHASE 4	R	R	R	R	R	R	R	G	G	G	R	R	R	
PHASE 4 CHANGE	R	R	R	R	R	R	R	Y	Y	Y	R	R	R	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	

TOD NO: AT783-24  
SHA No.: CL417A52/B52  
MD 27 @ Kate Wagner/Chapel Road

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 27 AT KATE WAGNER ROAD/CHAPEL ROAD

GENERAL INFORMATION SHEET

SCALE NONE DATE 01/20/07 CONTRACT NO. AT7835185

DESIGNED BY SDY COUNTY CARROLL  
DRAWN BY SDY LOGMILE 06002715.82  
CHECKED BY JWB T.I.M.S. NO. H994  
F.A.P. NO. TOD NO.

DRAWING NO. TS-3747C-GI SHEET NO. 2 OF 2